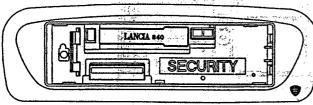
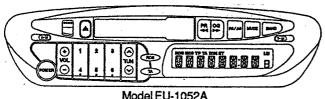
clarion Service Manua

Published by Service Dept.



Model PU-9984A



LANCIA Automobile Genuine FM/MW/LW Radio Cassette Combination with RDS-EON

Model PU-9984A

(Genuine No.46421588)

Model EU-1052A

(Genuine No.46433335)

SPECIFICATIONS

RADIO SECTION

Circuit system

:Superheterodyne

Tuning system Receive range

:Electronic tuning :MW 531 to 1,602kHz

:LW 153 to 279kHz

:FM 87.5 to 108.0MHz

Intermediate frequency

:MW/LW 450kHz

:FM 10.7MHz

Quieting sensitivity

:MW Less than 33dB (at 20dB S/N)

:LW Less than 40dB (at 20dB S/N)

:FM Less than 13dB

(at 30dB S/N)

Separation

:FM More than 20dB

Auto tuning stop sensitivity

:MW/LW DX 30±10dB

LO 50±10dB

:FM DX 20±10dB

LO 45±10dB

TAPE SECTION

Reproduction system

:4track,2channel,stereo cassette

deck

Tape speed

:4.76cm/sec.(1-7/8*/sec.)

Wow and flutter

:Less than 0.25%(W.R.M.S.)

Separation

:More than 35dB

Crosstalk

:More than 40dB

S/N ratio

:More than 45dB

FF/REW time

:Less than 95sec.(C-60)

SYNTHESIS

Load impedance :4 Q

Power output

:5Wx4(at 10% dist.)

Power supply voltage

:DC 14.0V Negative ground

Current consumption

:Less than 5mA(at BACK UP)

Dimensions

:Width 178mm :Height 50mm

:Depth 157mm

Weight

:1.3kg

For improvement purposes, specifications and design are subject to change without prior notice.

ICOMPONENTS

PU-9984A-A

Main unit

■ EU-1052A-A Main unit

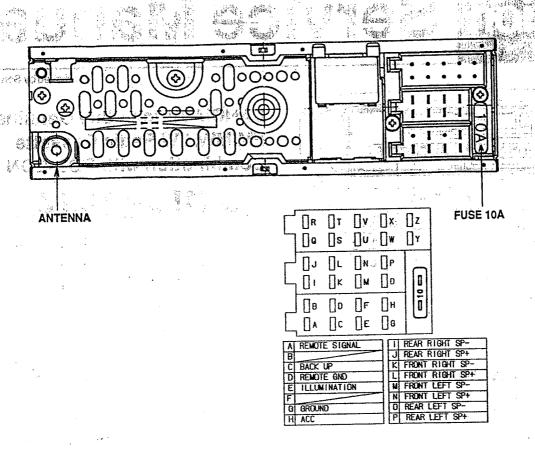
1 DCP case 335-5003-00 1

Hook plate

330-8216-0L

2

REAR VIEW and CONNECTORS



ADJUSTMENT

*FM SECTION

*FINI SECTION	
ltem	Procedure
	1.Connect the digital voltmeter to TP101. 2.Input the 98.1MHz/30dB(30%,400Hz)signal and adjust the level to 2.4V±0.1V by VR101.
SD	1.Input the 98.1MHz/28dB(30%,400Hz)signal. 2.Connect the GND to TP103. 2.Adjust VR102 so that the voltage of TP102 is high.

■EXPLANATION OF IC

■ μPD7006AGF-651-3B9

052-1303-01

Tuner controller for RDS

Outward From 80-pin plastic QFP

Pin No.	al Discription Symbol	I/O	Function
1	ST IND	1	Pin for lighting "ST" LCD while the input level is "L" during
			FM station reception.
2	RDS IND	1	Pin for input of RDS station signal from the RDS decoder IC.
3	SK IND	I	Pin for input of SK (traffic information station) signal from the RDS decoder IC.
4	DK IND	1	Pin for input of DK (announcement) signal from the RDS decode IC.
5	REMOCON IN	ī	Pin for input from the 1-wire, voltage conversion type remot controller.
6	VSM	I	Pin used for signal (field strength) comparison during tracking
7	FM IF	I	of same programe. Pin for input of FM IF frequency counter signal.
8	AM IF	I	Pin for input of MW/LW IF frequency counter signal.
9	RDS START	1	Pin for input of start signal from the RDS decoder IC.
10	RDS DATA	I	Pin for input of RDS data from the RDS decoder IC synchronize with RDS CLK.
11	RDS CLK	1	Pin for input of clock from the RDS decoder IC.
12		0	
13	RDS RES RDS MUTE	0	Pin used as the reset flag of synchronizing software. MW/LW"L"output terminal which outputs "L" for 1 sec when
			FM power is switched ON.
14	VDD		Power pin.
15	AM OSC	1	Pin for input of MW/LW band VCO (receiving frequence +10.71MHz).
16	FM OSC	ĭ	Pin for input of FM band VCO (receiving frequency +10.7MHz
17	GND	-	Earth terminal.
18	EO		
19 20	EO AM EO FM	0	Pins for output of PLL error signals.
21	LW/MW FM	0	Pin for output of "H"during LW reception.
22	REM	0	Pia for system power control.
23	VOL CE	0	Pin for electronic volume control,
24	MUTE	0	Pin for system muting control (interlocked with electroni volume).
25	AM+B	0	Pin for MW/LW band power control.
26	FM+B	0	Pin for FM band power control.
27	LPF CONT	0	Pin for PLL low-pass filter control.
28	BEEP	0	Pin for output of pulse for generating beep sound.
29	B/U DET	I	Pin for detecting that the system back-up power is dropped.
30	Voo	-	Power pin.
31	CE	I	Pin for input of Chip Enable signal.
32	MOTOR	0	Pin for cassette deck power control.
33	GND	-	Earth pin.
34 35	X OUT X IN	-	Pins for connection of X'tal oscillator.
36	NC	-	Not in use.
37	ACC IN	1	Pin for detecting the accessory power input from the car.
38	VOL L	T	Pin for input of electronic volume signals (phase compariso
39	VOLR	 	method).
40	BAND/ILL	1	Pins for input of BAND key signal.
41~44	K03~K00	0	Pin for output of key scan signals.
45~52	KI7 ~ KI0	 	Pin for input of key scan signals (pins 45 to 52 are not in use) Pin for input of Key On signal from the LCD driver
53	LCD KEY REQ	1	Pin for input of Key On signal from the LCD driver.
54	PHONE INT	1	Telephone signal port. MUTE is output while this Port is "H"

Pin No.	Symbol	1/0	Function 2 2 2
55	NC 3	-	Not in use.
56	SI	ſ	
57	so	0	Serial data line to/from the LCD driver and electronic volume.
58	SCK	0	
59	REM OUT	0	STOP request signal for eternally connected components.
60	REM IN	1	Operation signal from externally connected components.
61	GND .	1	Earth pin.
62	LCD CS	Ö,	Pin for output of LCD driver Chip Select signal.
63	NC	1	Not in use.
64	VDD	1.	Power pin.
65	LCD OE	0	Pin for LCD driver control.
66 ⊹	ILLUMI	0	Two cycles of "H" ↔ "L" are repeated when the BAND key is held
		}	for 2 sec. The initial status is "L". Because of the presence of the
			illumination line, "H" can be output even when Acc is OFF.
67 68	NC	-	Not in use.
69	R/T	0	Pin for output for switching between the radio mode (L) and
"	K/I		tape mode (H).
70	DOLBY ON/OFF	0	In Tape mode, alternates "H" and "L" every time the switch is
	DOED! OIGO!!	_	pressed.
7l	APC ON/OFF	0	In tape mode with APC ON, outputs "H"during FW/REW.
72	MIL ON/OFF	0	In tape mode, alternates "H" and "L" every time the switch is
			pressed.
73	FF/REW	I	In case the radio monitoring is used, radio broadcasting is
			monitored while this port is "L" with the cassette pack in.
74	PACK IN	ı	L: Cassette pack present (tape mode).
			H: Cassette pack absent (radio mode).
75	FOW/REV	ī	Cassette tape transport direction. (In tape mode, outputs MUTE
			when the port status changes.)
76	FM SD	1	Pin for station detection during tracking of same programme
		l	while auto tuning (Seek, AS, PS) is activated.
77	DX/LO	0	Pin used during Seek and AS (usually "L").
78	RDS SD	0	Pin used during Seek, As and auto tracking in FM mode (usually
			"L").
79	IF REQ	0	Outputs "L" when IF count is required during Seck, AS and PS
			(usually "H").
80	IF MUTE	0	Outputs signal during auto tracking operation.

Key Matrix Table

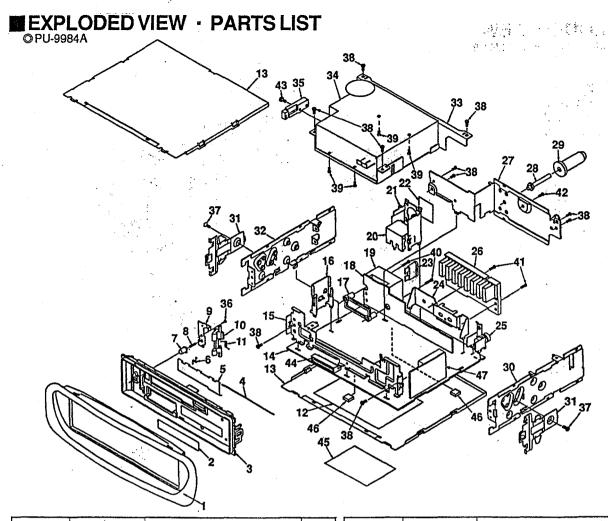
K1 0	KI 1	KI 2	K1 3
(52 pin)	(51 pin)	(50 pin)	(49 pin)
D SW0	D SWI	D SW2	D SW3
BAND AM	RADIO MONITOR	E VOL FADER	T MODE
LOUD KEY	FF/REW		
	(52 pin) D SW0 BAND AM	(52 pin) (51 pin) D SW0 D SW1 BAND AM RADIO MONITOR	(52 pin) (51 pin) (50 pin) D SW0 D SW1 D SW2 BAND AM RADIO MONITOR E VOL FADER

PU-9984A

Diode SW

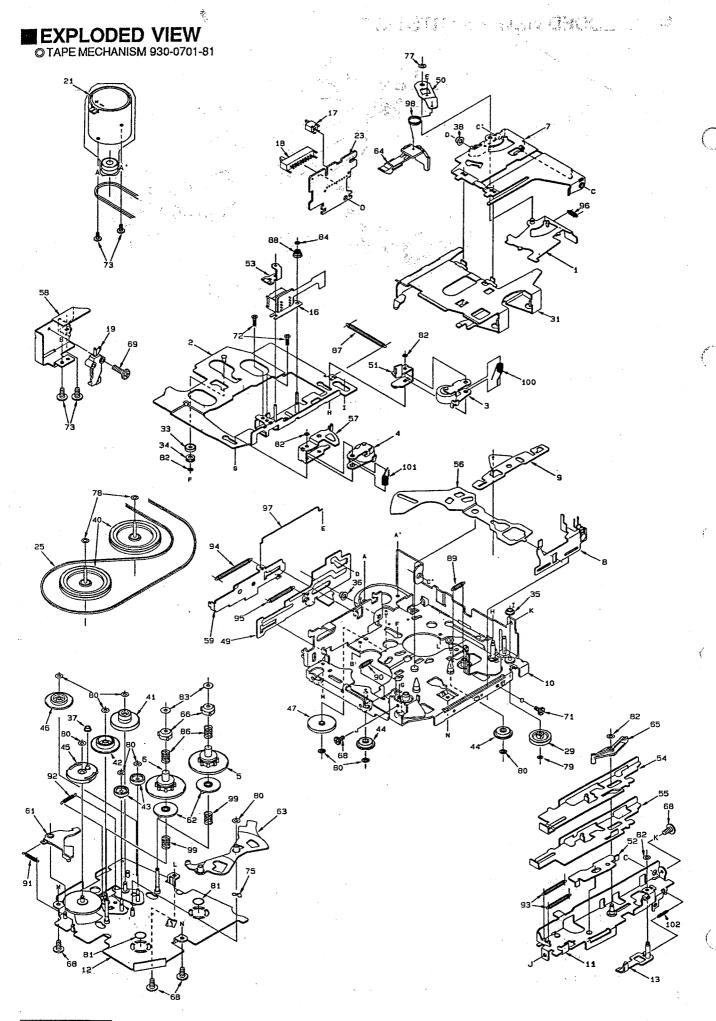
*In the table below, "O" means that diode SW is OFF (OPEN) and "I" means that diode SW is ON (SHORT).

IR ON (SHON	United the state of the state o
Switch name	Function
D SW0	Select the initial setting of AS (Auto Store).
DSWI	D SW0 D SW1 Function
	0 0 Both FM Land
	- 0 # 11% 89FM 2 bands
	1 0 FM 2 band only
	1 1 2 and only
D SW2	Select the availabilities of the APC, Dolby and MTL function.
D SW3	D SW2 D SW3 Function
	0 0 APC: OFF. DOLBY: OFF. MTL: OFF.
_	0 1 APC: OFF. DOLBY: OFF. MTL: ON.
	1 0,, APC; OFF, not DOLBY: ON, MTL: O.
	1 1 APC: ON, DOLBY: ON, MTL: ON,
BAND AM	Select the availability of the AM band.
	0: AM band unavailable.
	1: AM band available,
RADIO	Select the availability of the radio monitoring function.
MONITOR	(reproducing radio during FF/REW)
·	0: Radio monitoring unavailable,
	1 : Radio monitoring available.
E VOL	Select the availability of the fader function with the electric volume.
FADER	0 : Fader unavailable.
	1 : Fader monitoring available.
TMODE	Select the availability of the turning mode function (auto and manual).
	0 : Tuning mode unavailable.
	1 : Tuning mode avzilable.
LOUD KEY	Select the availability of the loudness control function.
	0 : Loudness unavailable.
	1 : Loudness available.
FF/REW	Select the functions of FF and REW
	0: < > available.
	1: << >> available.



REF NO.	PART NO.	DESCRIPTION	QTY
1	370-5560-00	ESCUTCHEON	1
2	291-0074-00	STICKER	1
3	370-5561-00	ESCUTCHEON	1
4	341-1278-00	SHAFT	1
5	320-0521-13	DUSTPROOF-CVR	1
6	750-2530-03	SPRING(DUST-CVR)	1
7	382-3661-0L	BUTTON	1
8	750-3107-0L	SPRING	1
9	331-0417-0L	HOOK HOLDER	1
10	335-4705-0L	ноок	1
11	750-3106-0L-	SPRING	1
12	347-3996-0L	INSULATOR	1
13	303-0441-0L	UPPER-CVR	2
14	039-0181-00	MAIN PWB	1
15	309-0648-00	FRONT-PLATE	1
16	313-1577-0L	HEAT SINK	1
17	335-4708-0L	SPACER(ISO)	1
18	039-0556-00	ISO PWB	1
19	074-0930-11	OUTLET SOCKET(ISO26P)	1
20	331-0413-0L	SHIELD PLATE(CHOKE)	1
21	331-0412-0L	CONNECTOR-BRKT(CHOKE)	1
22	347-3977-0L	LABEL	1
23	060-0057-56	AUTO-FUSE(10A)	1
24	331-0411-0L	IC HOLDER	1

REF NO.	PART NO.	DESCRIPTION	Q'TY
25	092-0668-0L	ANT-RECEPT	1
26	313-1576-0L	HEAT SINK	1
27	307-0488-01	REAR-CVR	1
28	716-1736-00	REAR BOLT	1
29	345-7658-00	STOPPER	1
30	305-0235-02	SIDE-CVR	1
31	750-3183-00	SPRING	2
32	305-0234-02	SIDE-CVR	1
33	331-0410-0L	MECH-BRKT	1
34	930-0701-81	TAPE-MECHANISM	1
35	335-4709-0L	SPACER(EJ)	1
36	716-0778-00	WAVE SCREW	1
37	714-5008-41	MACHINE SCREW	2
38	731-3006-80	TAPTIGHT	10
39	714-3004-81	MACHINE SCREW	4
40	714-3025-11	MACHINE SCREW	2
41	731-3008-80	TAPTIGHT	2
42	702-3008-81	TAP SCREW	1
43	716-1619-00	SCREW	1
44	074-1058-00	OUTLET SOCKET	1
45	286-8461-00	SETPLATE	1
46	345-7495-0L	INSULATOR	2
47	80-2076-AH	TUNER KIT	1

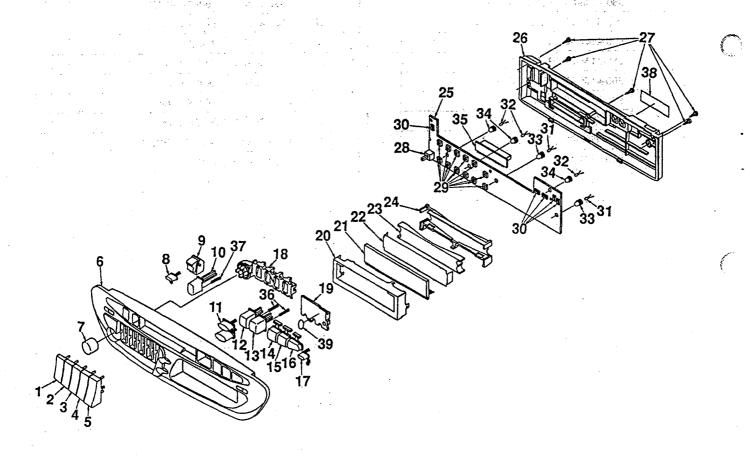


PU-9984A

■ PARTS LIST © 930-0701-81

@ 930-07 REF NO.	PART NO.	DESCRIPTION	QTY	REF NO.	PART NO.	DESCRIPTION	QTY
1		OFF ARM ASSY	1	55		REW LEVER-DCP	1
2		HEAD P-ASSY	1	56		CHANGE PLATE	1
3		ROLLER F-ASSY	1	57	630-2436-04		1
4		ROLLER R-ASSY	1	58		SWITCH BASE	1
5		REEL F-ASSY	1	59		EJECT LEVER-CR	1
6		REEL R-ASSY	1	61	631-0653-02		1
7		GUIDE ARM ASSY	1	62		CHECK PLATE	2
8		HD-SW-P-ASSY	1	63		CHECK LINK	1
9		CHANGE-L-ASSY	1	64		PACK STOPPER	1
10		DECK-P-ASSY-C	1	65	631-0659-03		1
11		FRAME-ASSY	1	66		SLIDE BUSH	2
12		BOTTOM-P-ASSY-C	1	68		MACHINE SCREW(2x3)	5
		LOCK-A-ASSY	1	69		MACHINE SCREW(2x8)	1
13	011-0313-14		1	71		PWB SCREW	1
16				72		SCREW(AZIMUTH)	2
17		SWITCH(MUTE) SWITCH(SLIDE)	1	73	716-1432-00		4
18			1	75		SPRING WASHER	1
19		SWITCH(MAIN) DC MOTOR ASSY	1	77		WASHER	1
21		PWB	1	78		WASHER	2
23	099-0319-01 602-0113-01			79	746-0024-00		1
25	604-0042-01		1	80		WASHER	10
29 31				81		WASHER	2
33		PACK GUIDE HEAD P-ROLLER	1	82		WASHER	5
34			1	83		POLY-WASHER	2
35		HEAD-G-ROLLER A HEAD-G-ROLLER B	1	84	746-0813-00	WASHER(HEAD)	1
36		EJECT ROLLER	1	86	750-2564-01	SLIDE SPRING	2
37		CH ROLLER	1	87	750-2847-01	HEAD P-SPRING	1
38		GUIDE-A-ROLLER	1	88		AZIMUTH SPRING	1
40	611-0087-05		2	89		FF P-SPRING	1
41	613-0259-02		1	90	750-2850-02	REW P-SPRING	1
42	613-0260-02			91	750-2852-01	LOCK-L-SPRING	1
43			1		750-2853-01	IDLER-P-SPRING	1
		IDLER GEAR FF/REW GEAR	2	92	750-2854-01	FF/REW SPRING	2
44		CH GEAR	1	93	750-2857-02	EJECT-L-SPRING	1
46	613-0258-03			95	750-2858-01	EJECT-P-SPRING	1
		GEAR B	1		750-2859-00		1
47	613-0304-10	GEAR A	1	96		OFF ARM SPRING	1
49		EJECT PLATE	1	97	750-2860-01	ROD SPRING SLOT-IN SPRING	1
50	630-2419-02	SWING ARM	1	98	750-2861-01		2
51		RELEASE LINK	1	99	750-2919-02	CHECK SPRING-R	1
52 53		SELECT LINK	1	100	750-2920-01	PINCH SPRING-F	1
53 54		AZIMUTH LINK	1	101	750-2921-01	PINCH SPRING-R	
54	630-2678-02	FF LEVER-DCP	1	102	750-3010-01	LOCK-A-SPRING	1 1

EXPLODED VIEW - PARTS LIST © EU-1052A



		, , , , , , , , , , , , , , , , , , , 	
REF NO.	PART NO.	DESCRIPTION	QTY
1	382-4008-00	BUTTON(VOL)	1
2	382-4009-00	BUTTON(1/4)	1
3	382-4010-00	BUTTON(2/5)	1
4	382-4011-00	BUTTON(3/6)	1
5	382-4012-00	BUTTON(TUN)	1
6	370-5559-00	ESCUTCHEON(FRONT)	1
7	382-4002-00	BUTTON(POWER)	1
8	382-4006-00	BUTTON(A-M)	- 1
9	382-4014-00	BUTTON(RELEASE)	1
10	382-3999-00	BUTTON(EJECT)	1
11	382-4013-00	BUTTON(RDS/TA)	1
-12	382-4000-00	BUTTON(REW)	1
13	382-4001-00	BUTTON(FF)	1
14	382-4003-00	BUTTON(PS/AS)	1
· 15	382-4004-00	BUTTON(MUTE)	1
16	382-4005-00	BUTTON(BAND)	1
17	382-4007-00	BUTTON(T-W)	1
18	335-4982-00	ILLUMI PLATE	1
19	335-4983-00	ILLUMI PLATE	1
20	331-0416-0L	LCD HOLDER	1

	·		
REF NO.	PART NO.	DESCRIPTION	Q'TY
21	379-1002-41	INDICATOR	1
22	347-3953-0L	FILM ·	1
23	335-4707-02	ILLUMI PLATE	1
24	335-4706-0L	LCD HOLDER	1
25	039-0555-00	SWITCH PWB	1
26	335-4981-00	REAR COVER	1
27	716-0872-12	PAD SCREW	5
28	013-3849-00	SWITCH(POWER)	1
29	013-3978-00	SWITCH	12
30	013-3969-00	SWITCH	5
31	017-9001-00	PILOTLAMP(8V)	2
32	017-9000-00	PILOTLAMP(14V)	3
33	345-3814-74	LAMP CAP	2
34	345-7148-10	LAMP CAP	3
35	076-0481-00	PLUG	1
36	750-3192-00	SPRING	2
37	750-3074-00	SPRING	1
38	286-8458-00	SETPLATE	1
39	347-5231-00	LABEL	1

PARTS LIST MAIN P.W.B

<u></u>		NP.W.B				15.55	DECORPTION.	loc-	<u> </u>	DADTAL	DECORPTION
		PART No.	DESCRIPTION			PART No.	DESCRIPTION	HE		PART No.	DESCRIPTION
C		178-2232-05		C		183-4753-51		L		010-2230-30	
C	106_	178-4722-05	4700pF	C	449	183-4753-51	35V4.7uF	L		010-2046-36	
C	107	178-1022-05	1000pF	C	450	183-4753-51	35V4.7uF	L	503	010-2230-19	COIL
C	108	183-4753-51	35V4.7uF	C	451	183-4753-51	35V4.7uF	Q	101	125-2004-03	RN1403
C	4	183-4753-51	1	C	452	178-6812-05		Q	102	125-2004-03	RN1403
C	1.8	178-1532-05		C		178-6812-05		Q		103-1306-00	
C			1 '	C				Q		102-2712-51	
	. 114	178-1532-05	1 / 1	1	454	178-6812-05					· ·
C		183-2253-61		C	455	178-6812-05		Q		102-2712-51	
C		043-1600-33		C		183-1063-31	1	Q		102-3624-00	
. C	114	183-1053-62	50V1uF	C	461	172-1041-11	0.1uF	Q	107	102-3624-00	2SC3624
C	115	172-3931-11	0.039uF	C .	462	172-1041-11	0.1uF	Q	108	125-2004-03	RN1403
С		178-5622-05		C		172-1041-11		Q	109	125-2004-03	RN1403
C		043-1601-10		C		172-1041-11		Q		103-1306-00	
C	41,11			C		172-1041-11		Q		103-1306-00	
	10.163	043-1601-10						1			
C		183-1063-31		C		172-1041-11	l'	Q		103-1306-00	
C	206	176-1011-00	100pF	C	467	172-1041-11	0.1uF	Q		103-1306-00	
C	207	176-1011-00	100pF	C	468	172-1041-11	0.1uF	Q	407	125-0002-03	RN2403
C	208	176-1011-00	100pF	lc i	469	183-1063-31	16V10uF	Q	501	100-1162-00	2SA1162
C	209	176-2201-00	220F	C	470	172-1041-11	0.1uF	Q		125-2004-02	
Č		176-2201-00		C		042-0447-00	1	Q		103-0882-00	
Č				C		042-0447-00		Q		101-0772-0L	
		178-1022-05		1 -			1				
C		178-1022-05		С		183-1073-21	1	Q		102-2712-00	
C	301	178-3312-05	330pF	C	474	183-4753-51	35V4.7uF	Q	506	101-0624-0L	2SB624
C	302	183-2253-61	50V2.2uF	C	501	178-1022-05	1000pF	Q	507	102-2712-00	2SC2712
C	303	183-4763-11	6.3V47uF	C	502	178-1032-05	0.01uF	Q	508	103-0882-00	2SD882
С		178-5612-05	l E	C		184-2273-22		Q	509	101-0624-0L	2SB624
C		176-8201-00		C		184-2273-22	l ' ' '	Q		100-1162-50	
C				C				Q		125-2004-03	
		176-4701-00		1 -		183-4753-51	l	•			
C		043-1601-10	1	C		042-0199-00		Q		100-1162-00	
C	401	173-6812-10	680pF	C		172-2241-11		Q	513	125-2004-02	RN1402
C	402	183-1053-61	50V1uF	C	508	182-1073-32	16V100uF	Q	514	101-1068-0L	2SB1068
C	403	183-1073-12	6.3V100uF	C	509	172-1041-11	0.1uF	Q	515	103-1616-1L	2SD1616
C		178-2732-05		С		183-4763-31		R			1/10W 10kohm
C		173-6812-10	t t	1		183-3363-21		R			1/10W 12kohm
				12			1	R			1/10W 6.8kohm
C		183-1053-61		<u> </u>		042-0200-00	1	•			
C		183-1073-12				050-0077-02		R		1 3	1/10W 100kohm
C	408	178-2732-05	0.027uF	CC	T202	050-0077-02	10kohmX4	R	105	117-1021-10	1/10W 1kohm
C	409	183-1063-52	35V10uF	D	101	001-0366-00	LTZ-MR15	R	109	117-2231-10	1/10W 22kohm
C	411	183-1053-61	50V1uF	D	102	001-0330-00	1SS119	R	110	117-3321-10	1/10W 3.3kohm
C		183-1053-62		D		001-0330-00		R			1/10W 3.3kohm
C		183-4753-51		b		001-0330-00		R			1/10W 3.3kohm
		1		1				R	i	i i	i
C		183-4753-51		D		001-0361-10					1/10W 3.3kohm
C		183-4753-51		D		001-0330-00		R			1/10W 5.6kohm
C		183-4753-51		D		001-0330-00		R			1/10W 2.2kohm
C	419	183-1073-21	10V100uF	D	503	001-0361-10	1SS198	R			1/10W 1kohm
C	420	184-2273-12	6.3V220uF	D	504	001-0377-48	MA4091H	R	117	117-1021-10	1/10W 1kohm
C	422	183-1063-31	16V10uF	D	505	001-0330-00	1SS119	R	118	117-6821-10	1/10W 6.8kohm
C		183-4753-51	·	D		001-0330-00		R			1/10W 1kohm
C		178-3922-05	l l	D		001-0377-45		R			1/10W 10kohm
C		043-1600-33		1		t :	ı ı	R			
12		ł :		D		001-0466-00					1/10W 10kohm
C		183-1063-31		D		001-0466-00		R			1/10W 3.3kohm
C		178-6822-05		D		001-0188-01		R			1/10W 10kohm
C		043-1601-10		D	511	001-0466-00	S5688B	R		,	1/10W 100kohm
C	430	043-1601-10	0.1uF	D	512	001-0330-00	188119	R	211	117-1011-10	1/10W 100ohm
C	431	183-1063-31	16V10uF	D		001-0377-47	1	R			1/10W 2.2kohm
C		183-1063-31		D		001-0330-00		R			1/10W 33kohm
C		183-4753-51		D		001-0330-00		R			1/10W 82ohm
C		183-4753-51		-				R			
				IC	201	052-1303-01		1			1/10W 4.7kohm
C		183-1063-31	: :				3B9	R			1/10W 120kohm
C		183-1063-31		IC	202	051-1375-35		R	405	117-3331-10	1/10W 33kohm
C		183-4753-51	1	IC	301	051-1819-00	SAA6579T	R	406	117-8201-10	1/10W 82ohm
C	438	178-3922-05	3900pF	IC.	401	051-0301-01	uPC1228HA	R	407	117-4721-10	1/10W 4.7kohm
C	439	043-1600-33	0.033uF	IC		051-1038-00	1	R	- 1		1/10W 120kohm
C		183-1063-31				051-5000-00		R			1/4WS 22ohm
Č		178-6822-05	1	ic		051-0000-00		1			1
C		043-1601-10						R			1/10W 6.8kohm
				IC		051-0287-51		R			1/10W 6.8kohm
C		043-1601-10				051-2002-00	1 1	R			1/10W 43kohm
C		183-1063-31		IC	501	051-0869-00	MB3771P	R	420	117-2231-10	1/10W 22kohm
C		183-1063-31		IC	502	051-3201-00	AN77L06	R	421	117-2231-10	1/10W 22kohm
C		183-4753-51		L		010-2230-00	l l	R			1/4WS 2.2kohm
C		183-4753-51	1	L		010-2003-04		R		1	1/4WS 2.2kohm
L	-	<u> </u>	L	<u> </u>			L.,	<u> </u>			

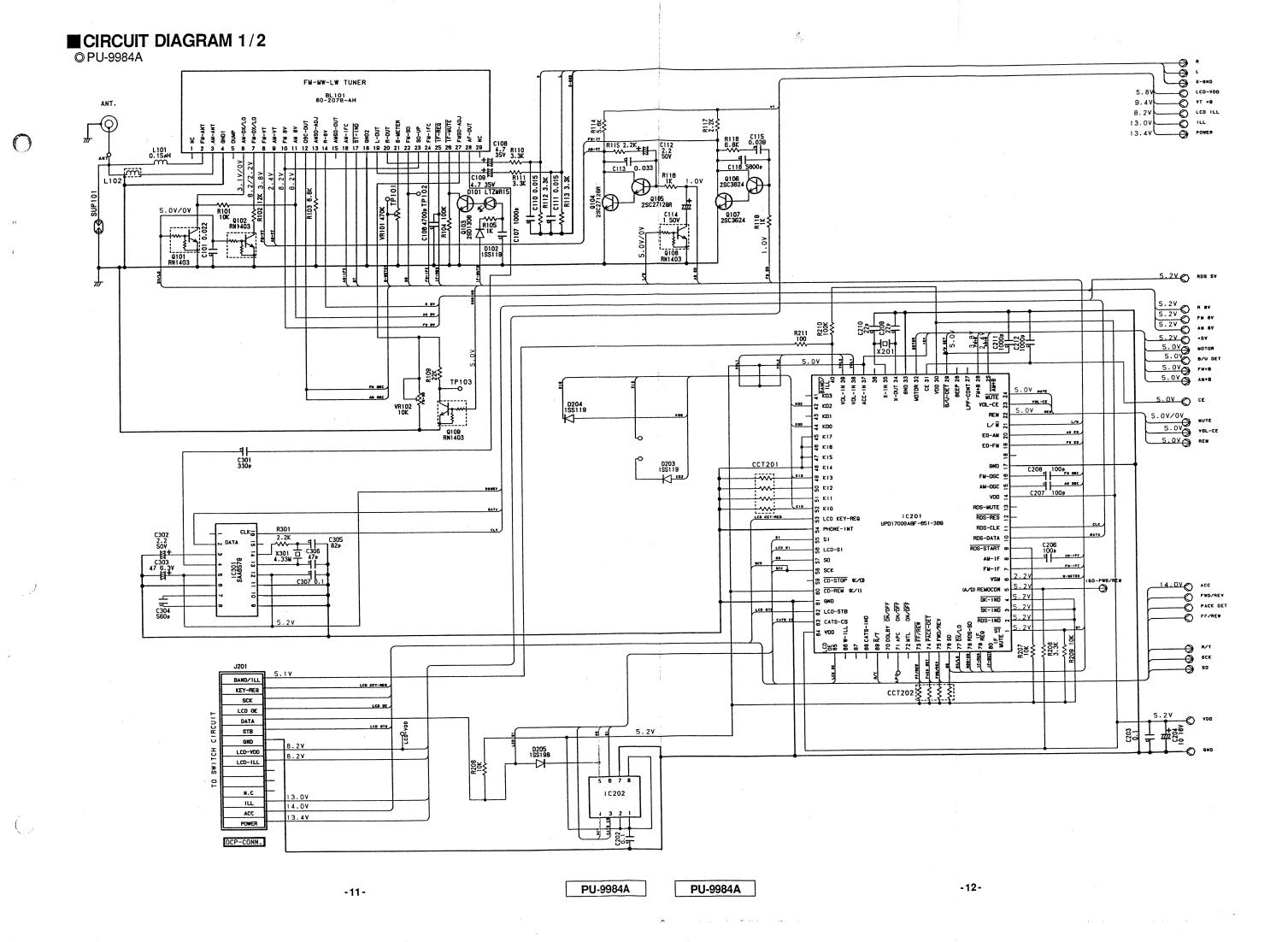
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RE	No.	PART No.	DESCRIPTION	RE	F No.	PART No.	DESCRIPTION	4	REF	No.	PART No.	DESCRIPTION	
R	424	117-2221-10	1/4WS 2.2kohm	R	453	117-1031-10	1/10W 10kohn	n	R	516	111-1021-91	1/4WS 1kohm	
R	425	117-1041-10	1/10W 100kohm	R	454	117-1031-10	1/10W 10kohn	n 🦠	R	517	111-2211-91	1/4WS 2200hm	
R	426	117-1041-10	1/10W 100kohm	R	455	117-2291-10	1/10W 2.20hm)	R	518	111-1031-91	1/4WS 10kohm	٠
R	427	117-1041-10	1/10W 100kohm	R	456	117-2291-10	1/10W 2.2ohm		R	519	111-3311-81	1/2W 330ohm	١
R	428	117-1041-10	1/10W 100kohm	R	457	117-2291-10	1/10W 2.20hm	ı]	R	520	117-6821-10	1/10W 6.8kohm	ı
R	429	117-1041-10	1/10W 100kohm	R	458	117-2291-10	1/10W 2.20hm	1	R	521	117-1031-10	1/10W 10kohm	١
R	430	117-1041-10	1/10W 100kohm	R	459	117-2291-10	1/10W 2.20hm	~ ~	R	522	117-1031-10	1/10W 10kohm	•
R	431	117-1041-10	1/10W 100kohm	R	460	117-2291-10	1/10W 2.20hm		R	523	111-2721-91	1/4WS 2.7kohm	١
R	432	117-1041-10	1/10W 100kohm	R	461	117-2291-10	1/10W 2.20hm	· {	R	524	117-2231-10	1/10W 22kohm	ı
R	433	117-2741-10	1/10W 270kohm	R	462	117-2291-10	1/10W 2.20hm	·	R	525	117-4731-10	1/10W 47kohm	1
R	434	117-2741-10	1/10W 270kohm	R	463	117-3321-10	1/10W 3.3kohr	n	R	526	111-5611-91	1/4WS 560ohm	
R	435	117-2741-10	1/10W 270kohm	R	464	117-3921-10	1/10W 3.9kohr	n	R	528	117-1031-10	1/10W 10kohm	
R	436	117-2741-10	1/10W 270kohm	R	465	117-1031-10	1/10W 10kohn	ו ו	R	529	117-1031-10	1/10W 10kohm	١
R	437	117-1531-10	1/10W 15kohm	R	501	117-1051-10	1/10W 1Mohm	. 1	R	530	111-4721-91	1/4WS 4.7kohm	1
R	438	117-1531-10	1/10W 15kohm	R	502	117-1041-10	1/10W 100koh	m	R	531	111-3321-91	1/4WS 3.3kohm	
R	439	117-1531-10	1/10W 15kohm	R	503	117-1541-10	1/10W 150koh	m	R	532	117-1031-10	1/10W 10kohm	-
R	440	117-1531-10	1/10W 15kohm	R	504	117-1831-10	1/10W 18kohm	1	R	533	117-1031-10	1/10W 10kohm	1
R	441	117-3311-10	1/10W 330ohm	R	505	117-1031-10	1/10W 10kohm	۱ ۱	R	534	111-1021-91	1/4WS 1kohm	
R	442	117-3311-10	1/10W 330ohm	R	506	117-6821-10	1/10W 6.8kohr	n	R	535	111-3311-91	1/4WS 330ohm	ł
R	443	117-3311-10	1/10W 330ohm	R	507	117-1541-10	1/10W 150koh	m	R	538	117-1031-10	1/10W 10kohm	١
R	444	117-3311-10	1/10W 330ohm	R	508	117-1241-10	1/10W 120koh	m	R	539	117-1031-10	1/10W 10kohm	۱
R	445	117-1021-10	1/10W 1kohm	R	509	117-3931-10	1/10W 39kohm	1	R	905	117-6821-10	1/10W 6.8kohm	
R	446	117-1021-10	1/10W 1kohm	R	510	117-5131-10	1/10W 51kohm	1	R	907	117-6821-10	1/10W 6.8kohm	
R	447	117-1531-10	1/10W 15kohm	R	511	117-8221-10	1/10W 8.2kohr	n	SUF	101	060-0122-10		
R	448	117-1531-10	1/10W 15kohm	R	512	111-2291-81	1/2W 2.20hm		T	501	009-0666-0L		
R	449	117-1531-10	1/10W 15kohm	R	512	111-6811-81	1/2W 680ohm		VR	101	012-4431-13	470kohm B	
R	450	117-1531-10	1/10W 15kohm	R	513	111-4711-91	1/4WS 470ohn	n	VR	102	012-4431-06	10kohm B	
R	451	117-1031-10	1/10W 10kohm	R	514	111-1231-91	1/4WS 12kohn	n	Х	201	061-1064-00		-
R	452	117-1031-10	1/10W 10kohm	R	515	117-3321-10	1/10W 3.3kohr	n	x	301	061-3013-00	4.33MHz	-

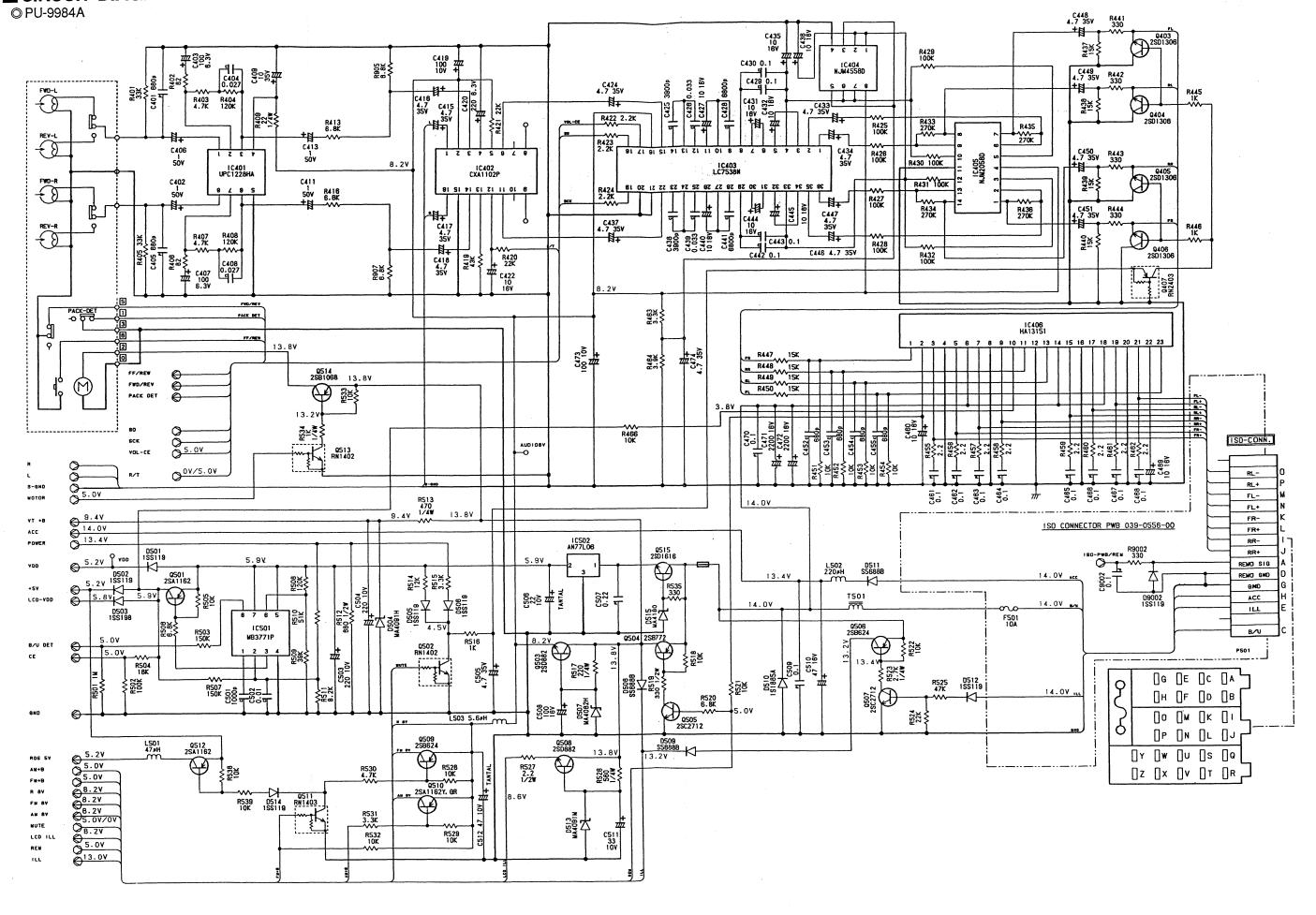
⊚ISOP.W.B

REF	No.	PART No.	DESCRIPTION
С	9002	172-1041-11	0.1uF
D	9002	001-0330-00	1SS119
R	9002	111-3311-91	1/4WS 330ohm

© SWITCH P.W.B(EU-1052A)

REF No	. PART No.	DESCRIPTION	RE	F No.	PART No.	DESCRIPTION	RE	F No.	PART No.	DESCRIPTION
C 1	178-1042-78	0.1uF	S	2	013-3978-00		S	13	013-3978-00	
C 2	178-1042-78	0.1uF	s	3	013-3969-00		S	14	013-3978-00	
D 6	001-0525-00	IMN10	S	4	013-3978-00		S	15	013-3978-00	
D 7	001-0525-00	IMN10	S	5 .	013-3978-00		S	16	013-3978-00	
IC 1	051-6001-01	uPD16431AGC-7ET	s	6	013-3978-00		S	17	013-3969-00	
R 1	117-1031-10	1/10W 10kohm	s	7	013-3978-00		S	18	013-3969-00	
R 2	117-1041-10	1/10W 100kohm	S	10	013-3969-00		S.	19	013-3969-00	
R 3	117-1031-10	1/10W 10kohm	S	11	013-3978-00		S	20	013-3849-00	
S 1	013-3978-00		s	12	013-3978-00					

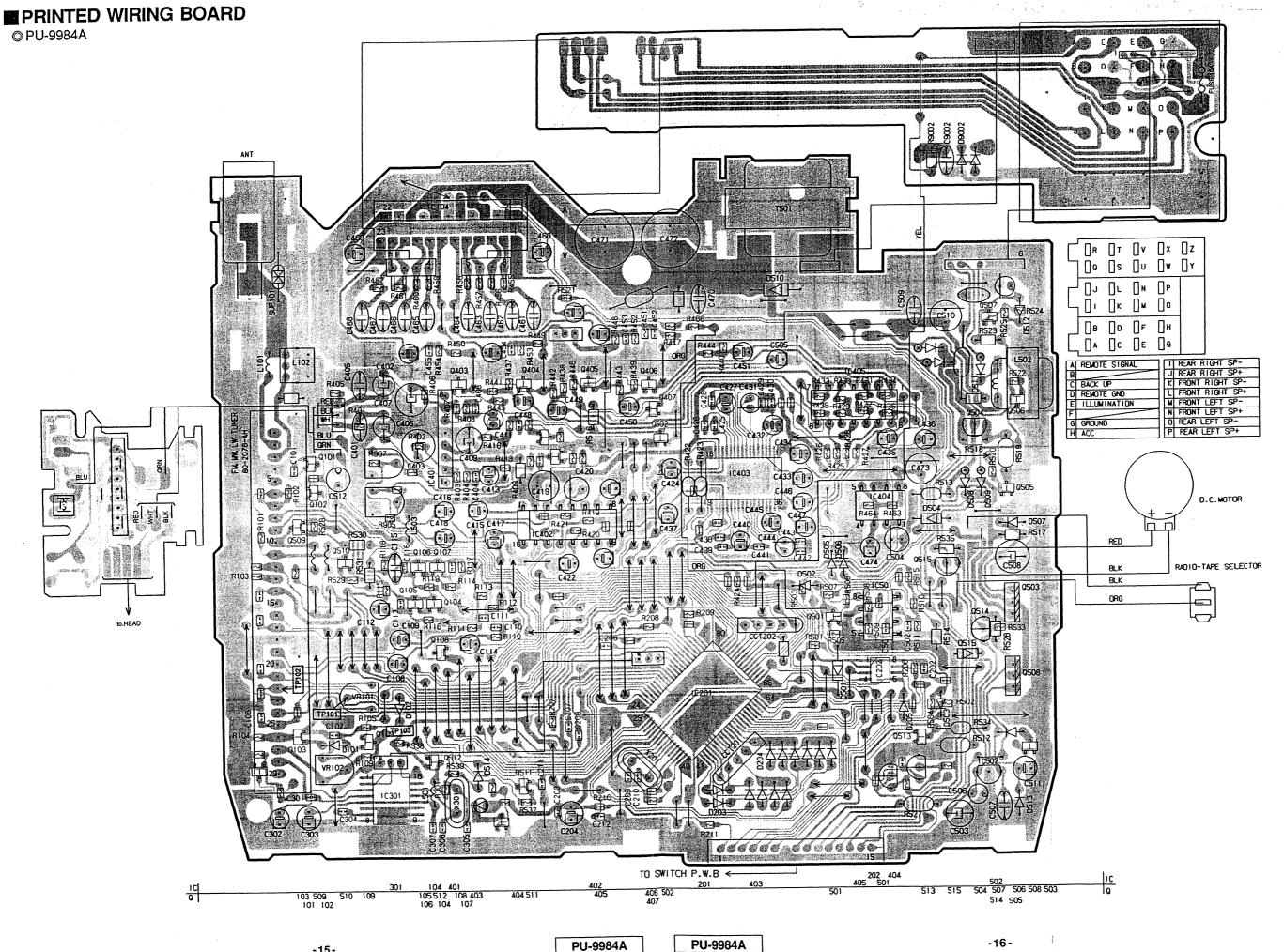




PU-9984A

PU-9984A

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■ CIRCUIT DIAGRAM - PRINTED WIRING BOARD © EU-1052A LD RDS REG TP TA EON ST 5.1V BAND/ILL KEY REQ SCK UPD16431A LCD-OE DATA GND LCD-VDD LCD-ILL ILL ACC POWER 누== £\$(t) **₹**\$(t) **₹** \$ \$ \$ \$ \$ \$ TO MAIN P.W.B PU-9984A -18-PU-9984A -17-

CAUTIONS

During repair or inspection, observe the followings.

1.Use specified parts.

The system uses parts with special safety characteristics against flame and voltage. Use only parts with equivalent characteristics when replacing them.

2. Place the parts and wiring back in their original positions after replacement or re-wiring.

For proper circuit construction, use of insulation tubes, bonding, gaps to P.W.B. etc. is involved. The wiring connection and routing to the P.W.B. are specially devised using clamps to keep away from heated and high-voltage parts. So, make sure to replace them back in their original positions after repair or inspection.

3. Check for safety after repair.

Check that the screws, parts, and wires are put back securely in their original position after repair. And make sure for safety reasons there is no possibility of secondary ploblems around the repaired spots.

4. Cautions regarding chips.

Do not reuse removed chips even when no abnormality is observed in their appearance. Always replace them with new ones. (The chip parts include resistors, condensers, diodes, transistors, etc.). The negative pole of tantalum condensers is highly susceptible to heat, so use special care when replacing them, and check operation afterward.

5. Cautions in handling flexible P.W.B.

Before working with a soldering iron, make sure that the iron tip temperature is around 270°C. Take care not to apply the iron tip repeatedly (more than 3 times) to the same patterns. Also take care not to apply the tip with force.